

Cleanroom robots

ISO class 7



YASKAWA cleanroom robots MOTOMAN MH5F-CR7, MH5LF-CR7, MH6F-CR7 and HP20F-CR7

The MOTOMAN robots with ISO class 7 (CR7) are particularly suitable for operation in environments with strict hygiene requirements.

The antistatic paint reduces the settling of dust particles. The smooth surface of this robot makes it easy to wash down and resistant to regular cleaning agents.

KEY BENEFITS

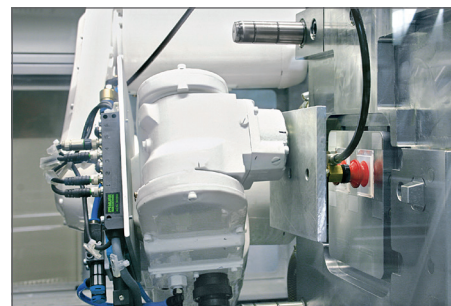
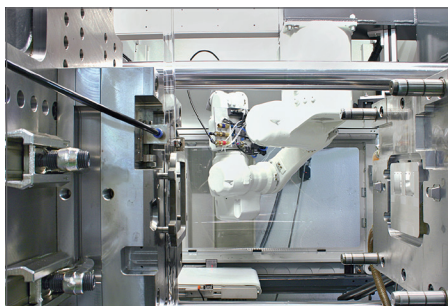
- Cleanroom certified to ISO class 7
- High-speed handling in cleanroom applications
- Easy to use with injection moulding machines
- Know-how from the global market leader in cleanroom robotics
- Highly dynamic and gentle handling, e.g. handling tasks in solar applications
- Small footprint
- Wide range of cleanroom robots

Example of a practical application

In this example of a cleanroom application, a MOTOMAN robot from YASKAWA is in operation in an injection molding machine.

The mould area is ISO certified. In this case, the controller, including the Euromap 67 interface, has been fully integrated into the injection moulding machine.

Mechanical abrasion had to be taken into consideration in the system concept.



Once the injection moulding machine has opened, the MOTOMAN robot uses its suction gripper system to remove

two parts from the locating fixture with minimal abrasion. The agility and small footprint of the robot enable

it to reach the confined and complex unloading positions with ease.

The MOTOMAN robots with cleanroom class ISO 7 certification are available in the following payload variants:

MH5F-CR7

5 kg payload,
Max. working range 737
Protection class: IP65/67

737

MH5LF-CR7

5 kg payload,
Max. working range 895
Protection class: IP65/67

827

MH6F-CR7

6 kg payload,
Max. working range 1422

1294

HP20F-CR7

20 kg payload,
Max. working range 1717
Protection class: IP54/67

1485



YASKAWA

www.yaskawa.eu.com

YASKAWA Europe GmbH
Robotics
Yaskawastraße 1
85391 Allershausen, Germany
Tel. +49 (0) 8166 90-0
robotics@yaskawa.eu.com

All dimensions in mm

Technical data may be subject to change without previous notice | Please request detailed drawings at robotics@yaskawa.eu.com

YR-MH0005F-A12-CR7, YR-MH005LF-A12-CR7,
YR-MH0006F-B00-CR7, YR-HP0020F-B00-CR7
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